

## **TAPERED MULTIBAND ANTENNA**

### **ABSTRACT**

Embodiments disclosed herein address the need in the art for a relatively small multi-band antenna. In one aspect, an antenna poise comprises an element, one edge of which is tapered from the connection point of a counterpoise to a second edge of the element. In another aspect, multiple elements are included in the poise, which may include tapered or rectangular poise elements. In yet another aspect, a quarter-ellipse poise is deployed. In yet another aspect, a poise element with an edge formed according to  $y = 1/(m \cdot x)$  is formed, where  $m$  is any number. A poise may be folded, or deposited on a folded substrate. Various other aspects are also presented. These aspects have the benefit of providing desirable frequency response characteristics over a wide frequency range, selectable by design, along with suitability for deployment in a relatively confined space.